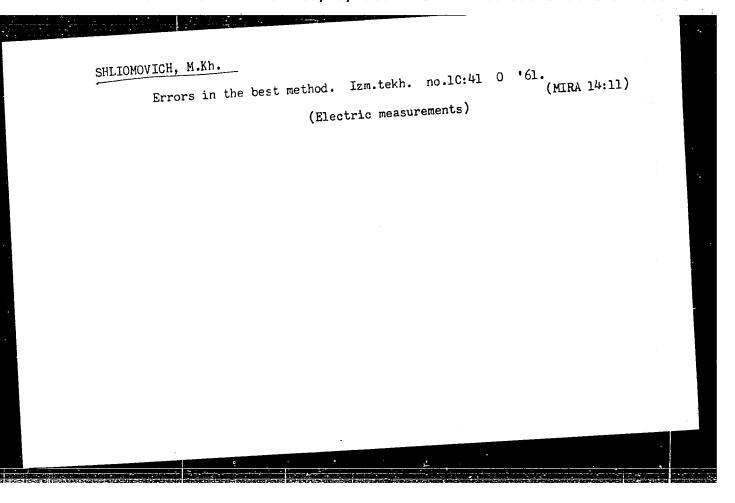


SHLIOMOVICH, M. Kh.

Characteristics of some electric meters. Izm.tekh. no.7:33-36 J1 '61.

(Electric meters)



SHIOMOVICH, M.Kh.; KAPNIK, M.Sh.

Exhibition of testing and measuring, and regulating instruments manufactured in East Germany. Izm.tekh. no.12:56-57 D '61.

(MIRA 15:1)

(Moscow--Exhibitions) (Germany, East--Instruments)

sov/111-58-11-9/76

AUTHOR: Farber, Yu.D. and Shliomovich, Ye.M., Engineers of "Wezh-

gorsvyaz'stroy"

TITLE: Communication Mains Using Transistor Amplifiers

(Magistral'nyve svyazi s usilitelyami na poluprovodnikovykh

triodakh)

FERIODICAL: Vestnik svyazi, 1958, Mr 11, pp 10-11 (USSR)

AFSTRACT: Scientific research institutes of the radio industry in cooperation with "Mezhgorsvyaz'stroy have developed transistor

amplifiers for repeater stations. The "VKUS-24" has three stages: the first is equipped with one "P6D" transistor; the other two stages have one "P6G" transistor each. The models installed on condensed communication lines have cylindrical housings, 145 mm long and 40 mm in diameter. They require 5-8 milliamps at 24 volts dc. At a frequency of

108 kc the amplification amounts to about 4.7 nepers. Figure 1 shows the circuit diagram of another two-stage amplifier with one "PlA" and one "PlB" transistor. It is contained in a housing 75 x 75 x 75 mm. At a frequency of 0.8 kc the ampli-

Card 1/2 fication is 2.7 nepers. A current of 5-7 milliamps is re-

SOV/111-58-11-9/36

# Communication Mains Using Transistor Amplifiers

duired at 24 volts dc. Further, a LF loudspeaker amplifier is mentioned which has three stages. The first stage has one "P1D" transistor, the second has one "P6A" and the third stage has two "P2B" transistors, the latter work in a pushpull system. At a frequency of C.8 kc the amplification is 4 nepers. A current of 8-12 milliamps is required at 24 volts dc. The amplifier is enclosed in a case of 156 x 75 x 75 mm. Experimental investigations and measurements showed the suitability of transistor amplifiers for reducing the size of telephone equipment. There is 1 circuit diagram.

ASSOCIATION: "Mezhgorsvyaz'stroy"

Card 2/2

Cherriet, C.T.: HUPACHEV, V.I.; SHELOMOVICHUS, Ya.G.

Wifect of wetting the coal on its mechanical properties and on the stressed state of the coal massif. Vop. gcr. dayl. no.21:72-84 164. (MIRA 18:8)

1. Vostochnyy muchno-issledovateliskiy institut po bezopasnosti rabet v gerney promyshlennosti.

SHLIONS'KA, A.I., mayor med.sluzhbi

Basic metabolism and respiration coeficient in wound sepsis.

Hedych.zhur. 17:364-370 '47. (MIRA 11:1)

1. Iz brigadi Akademii nauk URSR po vivchennyu ranevogo sepsisu (METABOLISM) (RESPIRATION) (WOUNDS)

DELYAYEV, A.A., SHLIONSKAYA, A.I.

Cereptospinal anesthesia in emergency surgery. Trudy Inst.
(MIRA 18:6)
im. Nov. Skiif, 9:189-192 '6].

Maskivskiy gorodskoy nauchno-isaledovatel'skiy institut
skoruy pohrahchi imeni Skiifesovskogo.

VOSKRESENSKIY. L.; YEVZEROV, A., tekhnoruk.; SHLIONSKAYA, Ye., KAUFMAN, S., inzhener-khimik; FIDLER, I., mekhanik; VINOKUR, V., khudozhnik.

Phetegraphic printing on blankets. Prom.keop.no.2:19-21 F '56.
(MIRA 9:7)

1.Pradsedatel' pravleniya arteli "Fromtkach" (for Voskresenskiy)
(Textile printing)(Photomechanical process)

KAL SHTEYN, E.I., kand meditsinskikh nauk; SHLIONSKIY, A.E.

Tables of Tajik words for use in studying hearing acuteness by means of speech. Zdrav. Tadzh. 6 no.6:36-38 59. (MIRA 13:4)

1. In kafedry Lor-bolezney (gav. - gaslughennyy deyatel' nauki prof, Ya.L. Kots) i kafedry inostrannykh yazykov Stalinabadskogo medinatituta im. Abuali ibni Sino. (HEARING)

GORSKAYA, Nina Svyatoslavna; SHLIONSKIY, Grigoriy Borisovich

[Vladimir and its environs; a concise guidebook] Vladimir i ego
okrestnosti; kratkii putevoditel'. Vladimir, Vladimirskoe
knizhnoe izd-vo, 1959, 165 p.

(Vladimir-Guidebooks)

	SHLTO ISKTY, G.G.		DECEASED	,
		(Mathematics)	See ILC	
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L 39690-66 ENT(d)/ENT(m)/T/ENP(f) WM/DJ/CD-2

ACC NR: AP6009724

SOURCE CODE: UR/0114/66/000/003/0017/0018

AUTHOR: Shlindman, V. M. (Candidate of technical sciences, Docent)

14/3

ORG: none

TITLE: Operation of centrifugal pumps having various capacities of outlets

SOURCE: Energomashinostroyeniye, no. 3, 1966, 17-18

TOPIC TAGS: centrifugal pump, fluid pump

ABSTRACT: A theoretical family of characteristics and design coefficients of centrifugal pumps having different outlets are used for the purpose of improving the methods of pump design. It is found that: (1) In Russian terminology, the terms of optimal- and nonoptimal-capacity outlets should be introduced; the optimal outlet corresponds to the design impeller parameters (Q, H, n) connected with the normal and shockless entrance of the fluid) (2) The curves of

Card 1/2

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ACC NR: AP6009724		/			
- A /A - f(n ) proposed in I V Dayyd	ovia article (Trudy VICM	i no 22			
Mashgiz, 1948) are suitable only for nonoptim	1/A <sub>cm</sub> = f(n <sub>y</sub> ) proposed in I. V. Davydov's article (Trudy VIGM, no. 22, z, 1948) are suitable only for nonoptimal designs; (3) The quantity				
$v_c = v_c / \sqrt{2gH}$ can serve as an optimality cr. as: 4 formulas and 3 figures.	iterion for pump outlets.	Orig. art.			
as: 4 formulas and 3 figures.					
SUB CODE: 13 / SUBM DATE: none / ORIG REF: 0	05				
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U					

SHLIONSKIY, Mikhail Semenovich: AMCHISLAVSKIY, Natan Veniaminovich; SLAV-KIR, V.S., redaktor; EVENSON, I.M., tekhnicheskiy redaktor

[Advanced work methods for finishing metal] Peredovye metody raboty pri zachistke metalla. Moskva, Gos. nauchno-tekhn. izd-vo literatury po chernoi i tsvetnoi metallurgii, 1955. 32 p.(MLRA 8:7) (Rolling mills)

SHLIONSKIY, M.S., inzhener.

Methods of flame cleaning of metals. Stal' 16 no.5:446-1449 My '56.

(MLRA 9:8)

1. Kuznetskiy metallurgicheskiy kombinat.

(Rolling (Metalwork))

Million Strange Into

AUTHORS: Amchislavskiy, N.V., Braunshteyn, R.A. and Shlionskiy, M.S. (Engineers).

TITLE: Selection of a rational tool for pneumatic de-seaming of metal. (Podbor ratsional nogo instrumenta dlya pnevmaticheskoy zachistki metalla).

PERIODICAL: "Metallurg" (Metallurgist), 1957, No.6, pp.25-28 (USSR).

ABSTRACT: In this article the selection of pneumatic hammers and bits for de-seaming steel before rolling is discussed. The characteristics of the eight types of pneumatic hammer at present used are tabulated and some of the numerous variations of bit form are illustrated. The effect on labour productivity of hammer power and the weight and shape of the bit are considered, the corresponding relations being shown graphically: all are seen to be important and the bit shape effect also depends on the type of steel. The effect of bit/hammer gap on the useful power of the hammer is also discussed and shown graphically. In general the authors recommend that hammers of maximal permitted power should be used: types KE-22, KE-28 and KE-32 for hand-support, knee support and heavier work, respectively. The material presented is based mainly on experiments at the Kuznetsk Metallurgical Combine.

Card 1/2

OSTROGORSKIY, V., inzh.; SHLIONSKIY, M., inzh.

Scraper-type unloading machines. Biul. TSNIICHM no.3:75-77 '58.

(Railroads, Industrial--Equipment and supplies) (MIHA 11:5)

SHLICHSKIY M) S

14(2);25(5)

PHASE I BOOK EXPLOITATION

SOV/3073

Lyubimov, Valentin Mikhaylovich, Viktor Ivanovich Ostrogorskiy, and Mikhail Semenovich Shlionskiy

Skrebkovyye razgruzochnyye mashiny (Scraper-type Unloading Machines) Moscow, Metallurgizdat, 1959. 44 p. 2,700 copies printed.

Ed. of Publishing House: T. I. Kiseleva; Tech. Ed.: M. K. Attopovich.

FURPOSE: This booklet is intended for technical personnel in industrial transportation. It may also be useful to students of schools of higher education specializing in industrial transportation.

COVERAGE: The booklet deals with the industrial experience of the Railroad Department of the Kuznetskiy metallurgicheskiy kombinat (Kuznetsk Metallurgical Combine) in the design and use of scraper-type unloading machinery. Detailed data are presented on the design, mechanical characteristics, and performance of such machinery. Operating and care and maintenance procedures are discussed. Data are given on the economic efficiency of operation. No personalities are mentioned. There are no references.

Card 1/3

Scraper-type Unloading Machines SOV/5073		
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Scraper-type Unloading Machines With Horizontal Scrapers 1. Principle of operation and characteristic features of unloading	10	
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2. Constructions of the machinery	11	
3. Constructions of basic units and mechanisms	19	
Scraper-type Unloading Machines With Vertical Scrapers	24	
1. Principle of operation	24	
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Comparison of the Operational Qualities of Scraper-type Unloading		
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ard 2/3		

Bonus system at ore-dressing and Sots.trud 5 no.1:128-130 Ja		
l. Gorncye upravleniye Kuznetskogo metallurgicheskogo kombinata, g. Stalinsk.		
(Ore dressing)	(Bonus system)	

### SHLIONSKIY, M.S.

Potentialities for cost reduction in mines of the Kuznetsk Metallurgical Combine. Gor. zhur. no.12:10-13 D '60.

(MIRA 13:12)

1. Nachal'nik planovogo otdela gornogo upravleniya Kuznetskogo metallurgicheskogo kombinata. (Gornaya Shoriya—Iron mines and mining—Costa)

SHLIONSKIY, M.S.; NEDOGON, A.V., gornyy inzh.

Discussion of A.V.Baronenkov's article "Improvement of planning and stimulation of interest in bonuses on the part of miners.

Gor. zhur. no.9:9-11 S '63. (MIRA 16:10)

1. Nachal'nik planovogo otdela gornogo upravleniya Kuznetskogo metallurgicheskogo kombinata (for Shlionskiy). 2. Kombinat "Achpolimetall", g.Kentau (for Nedogon).

# SHLIONSKIY S.Ye. General plans and transportation systems of standard cement plants. TSement 26 no.3:16-20 My-Je '60. (MIRA 13:7) (Cement plants) (Building materials—Transportation)

107-57-2-13/56

AUTHOR: Shlionskiy, Sh.

TITLE: Design of Radio Paths

(Raschet radiotrass)

PERIODICAL: Radio, 1957, Nr 2, pp 16-17 (USSR)

ABSTRACT: In practical radio communication it is often necessary to determine a length of a communication line, azimuths of its terminals (for correct antenna orientation), and the coordinates of points of radiowaves reflected from the ionosphere. These spherical-trigonometry problems can be easily solved by means of a stereographic network (shown on the inside of the back cover). The author, with the help of A.R. Kosenkov, has used such a network for designing radio paths. Details of the network adopted for radiodesign use are explained. Also, a 7-step radio-path design method is set forth, including the determination of longitudinal interval, path length, two azimuths, and reflection points in F<sub>2</sub>-layer for single-hop and multihop communications, etc.

There are 1 figure and 1 table in the article.

AVAILABLE: Library of Congress

Card 1/1

### "APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549720004-9

SHLIONSKIY, Sh.

107-57-5-42/63

AUTHOR: Shlionskiy, Sh.

TITLE: Using Radio Forecasts (Ispol'zovaniye radioprognozov)

PERIODICAL: Radio, 1957, Nr 5, p 39 (USSR)

ABSTRACT: Annual and monthly radio forecasts are published by the Nauchnoissledovatel'skiy institut zemnogo magnetizma, ionosfery i rasprostraneniya
radiovoln (Scientific Research Institute of Terrestrial Magnetism, Ionosphere,
and Radio-Wave Propagation). These published forecasts are distributed among
Soviet radio clubs and used by amateurs. The purpose of the article is to
explain in a nonscientific language how to use the forecasts for amateur communications. A frequency 15% below the monthly maximum usable frequency is
recommended as the optimum working frequency. One-hop paths up to 4,000 km
are considered "short". Working on frequencies close to the lowest useful high
frequency is not recommended because of the high attenuation involved.
Use of maps and charts is explained in detail.

There is one Soviet reference.

AVAILABLE: Library of Congress

Card 1/1

STATE CARETTY, Sh.

AUTHOR:

Shlionskiy, Sh.

107-9+18/53

TITLE:

The Orientation of Antennas (Oriyentirovka antenn)

PERIODICAL: Radio, 1957, # 9, p 28 (USSR)

ABSTRACT:

This article cites the different advantages of directional antennas and describes the methods of determining the azimuths and the meridians passing through the points, between which the radio communication is to be established.

The author comes to the conclusion that the best method of determining the meridian is utilizing the compass simul-

taneously with the map of magnetic declinations.

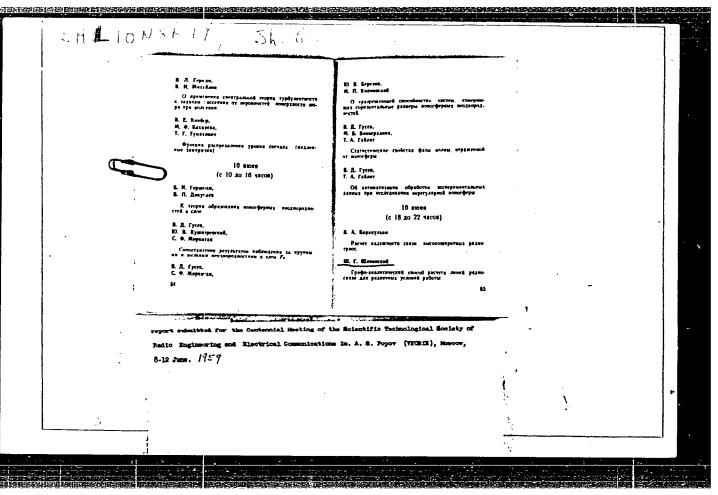
If the antenna is installed in a broken terrain or near buildings, electric lines etc.; the direction of radio waves can change because of reflections. Therefore, it is recommended to determine the definitive direction of antennas in cooperation with the radio station with which communication will be estab-

The article contains 1 Russian reference and 1 map of magnetic declinations.

AVAILABLE:

Library of Congress

Card 1/1



AUTHOR:

Shlionskiy, Sh.

SOV/107-59-1-20/51

TITLE:

Radio Communication Between the Antipodes

(Radiosvyaz' mezhdu antipodami)

PERICDICAL:

Radio, 1959, Nr 1, p 25 (USSR)

ABSTRACT:

The author explains the meaning of antipodes and describes the radio communication between them. In conclusion, he states that radio communication between the antipodes is of great scientific interest, and appeals to all radio amateurs to report to the editor any cases of a successful radio contact with any station in the area of an antipode. The report should include: 1) the geographical coordinates of the station in the antipodal area; 2) Moscow time of contact; 3) duration of contact; 4) whether it was two-way or one-way contact; 5) the frequency and power of the trans-

mitter, if possible.

Card 1/1

5/169/62/000/007/143/149 D228/D307

6,4600

Shlionskiy, Sh. G.

Graphico-analytical way of calculating radio communi-AUTHOR:

cation lines TITLE:

Referativnyy zhurnal, Geofizika, no. 7, 1962, 28, abstract 7G182 (Tr. In=ta zemn. magn., ionosfery i rasprestr. radiovoln, AN SSSR, no.19 (29),1961, 131-139) PERIODICAL:

The author describes a graphico-analytical way of calculating the minimum applicable frequencies, the maximum communication range, the least necessary transmitter power, and other quantities needed for designing short-wave radio communication lines. The method is based on the calculation of the field signal's intensity by Kazantsev's method and the atmospheric interference distribution charts, recommended by the MKKR. The calculation's proposed form allows the original data to be replaced comparatively simply. The calculations take into account the technical facilities of the communication lines (transmitter power, antenna amplification,

Card 1/2

Graphico-analytical way ... S/169/62/000/007/143/149 D228/D307

mode of operation) for a given communication reliability level.

Abstracter's note: Complete translation.

S/115/62/000/002/001/009 E032/E414

AUTHOR:

Shlionskiy, Sh.G.

TITLE

Photoelectric harmonic analyser

PERIODICAL: Izmeritel'naya tekhnika, no.2, 1962, 3-5

TEXT: The author describes a device for the evaluation of

integrals of the form

 $\int_{0}^{X} F(x) \sin(Ax + B) dx$ 

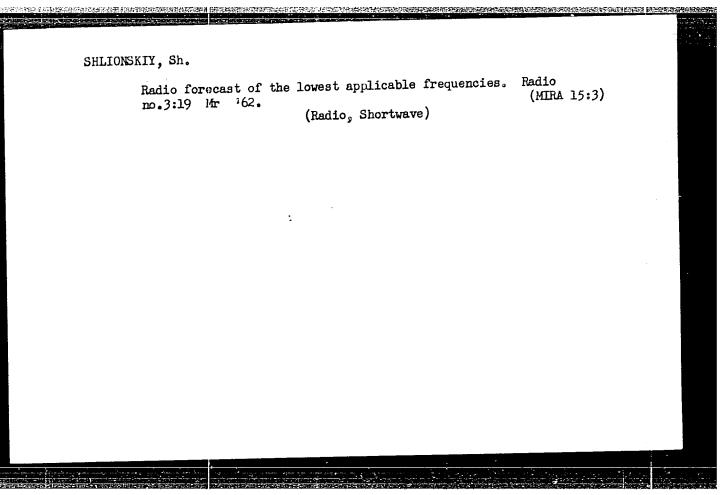
which is encountered in Fourier analysis and synthesis. The device consists of the following sections: 1) input section in which the function F(x) which is given in the form of a graph is transformed into a physical quantity which varies in the same way. 2) a generator of a harmonically varying (in time) physical quantity; 3) a phase shifter to adjust the phase B of the harmonic function and to determine the initial phase; 4) a section which is used to vary the relation between the period X of F(x) and the period of the harmonic function so that the n-th harmonic Card 1/2

Photoelectric harmonic analyser

S/115/62/000/002/001/009 E032/E414

can be separated out in analysis and the quantity t/T in synthesis; 5) a multiplying section which multiplies F(x) and  $\sin (Ax + B)$  together, and 6) an integrating section in which the product is integrated between 0 and X. In the present device, the multiplying and integrating element is a single electrodynamic wattmeter of the type described by A.A.Kharkevich (Ref.2: Spectra and Analysis, Gostekhizdat, Moscow, 1948). The generator of the given function F(x) is in the form of a photoelectric converter and the generator of the harmonic function is a synchronous electromechanical generator. There are 1 figure and 4 Soviet-bloc references.

Card 2/2



SHLIONSKIY, Sh.G.; GORBACHEVA, V.A.

Computation of the lowest applicable frequencies and other short-wave communication quantitatives by means of electronic computers. Geomag. i aer. 3 no.4: 711-716 Jl-Ag '63. (MIRA 16:11)

1. Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln AN SSSR.

L 12821-66 EWT(d)/EWT(1)/FSS-2/FCC/EWA(h)/EEC(k)-2 RB/GW/WS-2 ACC NR. AP6002750 SOURCE CODE: UR/0203/65/005/006/1052/1060 47 46 AUTHOR: Shlionskiy, Sh. G. B Institute of Terrestrial Magnetism, the Ionosphere, and Radio Wave Propagation, AN SSSR (Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln AN SSSR) TITLE: Some observations on beam methods for calculating long-distance short-wave radio communications 4, 44, 55 SOURCE: Geomagnetizm i aeronomiya, v. 5, no. 6, 1965, 1052-1060 TOPIC TAGS: ionospheric scattering, ionospheric radio wave, radio wave propagation ABSTRACT: The author studies some problems associated with perfecting methods for prediction of long-distance short-wave radio communications. Some of the principal trajectories followed by radio waves are considered with regard to the initial radiation conditions and variations in the atmosphere along the path of the wave. The effect of various factors on the transmission and reception of short waves is examined: screening of the E region, electric field strength, focusing, losses due to scattering by inhomogeneities in the ionosphere, etc. Formulas are given which may be used to account for these factors. 1/2 Card UDC: 550.388.2

L 12821-66 ACC NR: AP6002750 with distance due to focusing is partially balanced by losses due to scattering so that electric field strength remains approximately inversely proportional to distance under quiet ionospheric conditions. An expression is given for the coefficient of absorption as a function of the effective number of collisions. Various factors are considered which influence the effective number of collisions between electrons, ions and neutral particles. The signal-to-noise ratio in reception is discussed. "The author is grateful to A. N. Kazantsev." Orig. art. [14] has: 4 figures and 7 formulas. SUBM DATE: 21Dec64/ ORIG REF: 010/ OTH REF: 002 SUB CODE: 17, OLL ATD PRESS: 4183 jw 2/2 Card

AST/TT/HB/GW/WS=2 EWT(d)/FSS-2/EWT(1)/FS(v)-3/EEC(k)-2L 13170-66 UR/0203/65/005/006/1061/1067 SOURCE CODE: ACC NR: AP6002751 Shlionskiy, Sh. G. AUTHOR: ORG: Institute of Terrestrial Magnetism, the Iondaphere, and Radio Wave Propagation, AN SSSR (Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln AN SSSR) TITLE: Transmission losses from artificial satellites for waves following an orbital trajectory SOURCE: Geomagnetizm i aeronomiya, v. 5, no. 6, 1965, 1061-1067 TOPIC TAGS: radin wave propagation, ionospheric radio wave, artificial Earth: satellive ABSTRACT: The author studies the basic problem of radio wave attenuation from artificial earth satellites and also considers some closely related problems pertaining to conditions for orbital wave trajectories. The width of the radiation sector from the artificial Earth satellite is evaluated for orbital trajectories where the satellite is below the maximum altitude of the F2 layer. The relationship between the width of the radiation sector and frequency is discussed. The factors which affect the shape of orbital trajectories are examined as well as the 550.388.2:629.195.2 UDC: Card 1/2

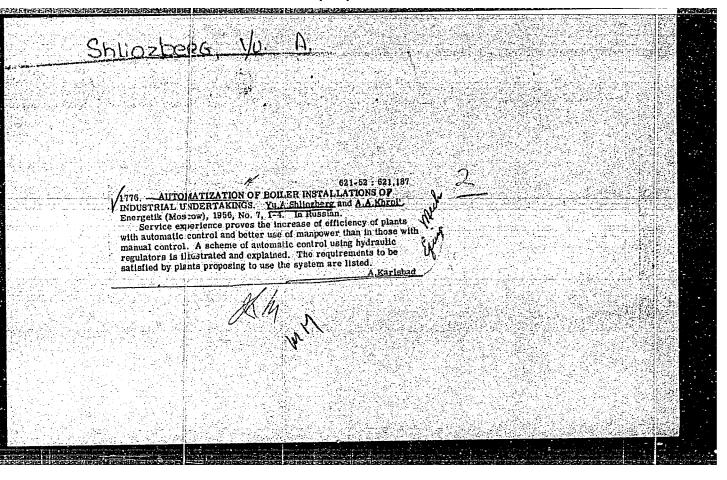
L 13170-66

ACC NR: AP6002751

conditions under which these trajectories may be expected to descend to the Earth. Transmission losses are evaluated with regard to the course of the wave and the structure of the atmosphere along its path. An equation is given for the coefficient of absorption as a function of the effective number of collisions between electrons, ions, and neutral particles. Theoretical considerations indicate that the lowest losses should be expected when the orbital trajectory passes through the lower section of the F2 layer. This conclusion is confirmed by experimental data on transmission of around-the-world echo signals. It is shown that minimum attenuation including all types of losses is 5-10 db on a 40,000-km path, and a formula is given for determining attenuation per unit of length for the section of the path which has a trajectory following the curve of the path. The frequencies of waves which follow orbital trajectories are in the main higher than ordinary intermediate frequencies. The width of the radiation sector from the satellite may vary from units to tens of degrees. Attenuation of an orbital trajectory is lower by an order of magnitude on the average than that of an ordinary trajectory over the same route. The author is grateful to A. N. Kazantsev. Orig. art. has: 5 figures and 14 formulas.

SUB CODE: /7, 22 SUBH DATE: 04Jan65/ ORIG REF: 006/ OTH REF: 003
ATD PRESS: 412

Card 2/2



AUTHORS:

Kosharskiy, B. D., Engineer,

s/119/60/000/04/011/014

Krassov, I. M., Candidate of

B014/B008

Technical Sciences, Shliozberg, Yu. A.,

Engineer, Yastrebenetskiy, M. A., Engineer

TITLE:

Jet Generators for Pressure Vibrations

PERIODICAL:

Priborostroyeniya, 1960, Nr 4, pp 27-29 (USSR)

ABSTRACT:

Technical data on jet generators for pressure vibrations which are designed for the recording of the dynamic characteristic of pneumatic and hydraulic controllers of industrial installations, are given in the paper under review. The generators described here were built up from mass products by the "Teploavtomat" Works of the Khar'kovskiy sovnarkhoz (Khar'kov sovnarkhoz). Transformer oil is the working substance. The single-stage hydraulic amplifiers 1 and 2 are shown in figure 1. The jet tube is turned periodically to the side by a rotating eccentric, whereby the pressure in a nozzle connected with the element to be investigated depends on the position of the jet tube. A return coupling device is provided in type A (Fig 1a) to ensure the proportionality between the movement of the coupling rod and the position of the jet tube. In type B (Fig 1b) a spring is provided for the balancing of the kinematic system and for adjusting. The relation between the displacement

Card 1/2

Jet Generators for Pressure Vibrations

S/119/60/000/04/011/014 B014/B008

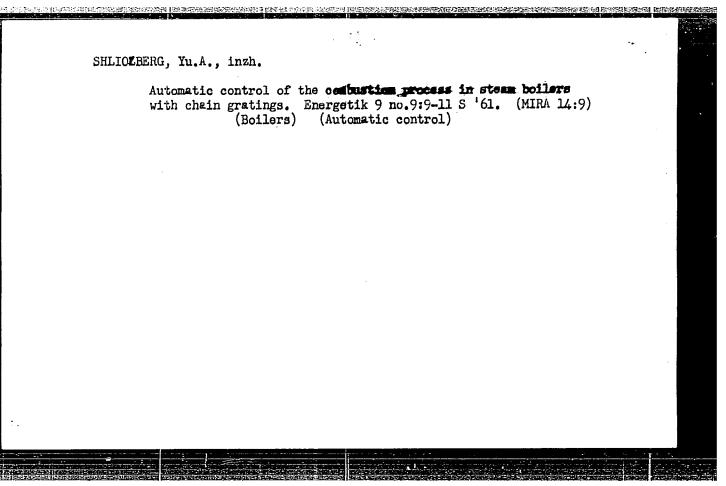
of the jet tube and the movement of the coupling rod is described by formula (1). B-type generators can be used for oscillation amplitudes of from 20 mm water column up to 3 kg/cm², and the oscillograms of 2 oscillations with amplitudes of 55 mm water column and of 1.3 kg/cm² are given in figure 2. The amplitude-frequency characteristic is shown in figure 3. It is finally pointed out that these jet generators can be used for hydraulic and pneumatic computers as well as for "extreme controllers". There are 3 figures and 4 Soviet references.

Card 2/2

SHLIOZBERG, Yu.A., inzh.

Experience in the operation of the "Teplekontrol" hydraulic boiler feed controllers. Energetik 8 no.9:5-7 S:60.(MIRA 14:9)

(Boilers--Equipment and supplies) (Hydraulic control)



DUEL', Mikhail Aleksandrovich; RABINOVICH, Grigoriy Aronovich; SELIOZBERG, Yuriy Abramovich; DULEYEV, Ye.M., red.; LARIONOV, G.Ye., tekhn. red.

[Automatic hydraulic regulators of thermal processes] Gidravlicheskie avtomaticheskie reguliatory teplovykh protsessov. Moskva, Gos.energ.izd-vo, 1961. 199 p. (MIRA 15:2) (Electric power plants—Equipment and supplies) (Hydraulic control)

\$/\$11/62/000/006/001/001 D236/D308

AUTHOR:

Shliozberg, Yu.A., Engineer

TITLE:

application of hydraulic controllers

PERIODICAL: Energeti

Energetik, no. 6, 1962, 4 - 5

TEXT: The hydraulic jet controllers which are mass-produced at the Khar'kov 'Teploavtomat' plant have been described in detail in the book by M.A. Duel, G.A. Rabinovich and U.A. Shliozberg (Gidravliches-kiye avtomaticheskiye regulyatory teplovykh protsessov, (Hydraulic Automatic Controllers of Thermal Processes) Gosenergoizdat, 1961). They can be employed for automatic pressure and vacuum control, pressure-drop control and level and temperature control. The use of standard elements and unit construction provides a tatic, static and isodrome controllers, depending on the required control principle, with continuous program feeding or with program as a function of time or any other parameter. The widest application is found in the automatic control of media. -power boilers, de-aerators and reduction cooling plants, open-hearth and coking furnaces and chemical plants. Sensitivity is comparable with that of electronic controllers. The driv-Card 1/2

Application of hydraulic controllers

S/091/62/000/006/001/001 D238/D308

ing power is as much as 2 tons with a piston pressure drop of 12 kg/cm2. Tests have shown an increase in efficiency on industrial boiler plants amounting to 2.5 - 3% and even 4%, on introducing automatic control. Parameters of technological steam can be stabilized with the aid of hy madic regulators. This has resulted in output being improved to the 20% in the plastics industry. Obstacles to the further development of hydraulic controllers include the long oil pipelines required for remote control; suggestions are made for cable connections in special cases. A greater range of sensors is also indicated. A range of electro-hydraulic converters is necessary for use with viscometers, density meters and chemical and physical analysis equipment.

Card 2/2

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	681.2.002.56 Kosharskiy, B. D.; F.k. V. A.: Francyskans, T.Kh.; Garokhava, W. S.;				
	Z. H., Pabinovich, U. A., Minchor, in, A., Prenkel', L. B.	W. M. C.	1		
	W. Carlotte	mulhows 4			
	Automatic devices and regulators; handbook material (Avtomaticheskiye regulyatory; sprayochnyje materialy) Moscow, Izd-vo "Mashinostroye	niye". 64.	1		
	070h p. illus., fold. diagrs. Errata alip inserted. 19,000 copies	printed			
	TOPIC TAGS: automatic control, automatic temperature control, automat	ic pressure			-
	control. automatic vacuum control, temperature instrument, pressure m	wasuring 4M		•	
	instrument, flow meter, liquid level instrument, pneumatic servemecha	inisia 4 d			
	PURPOSE AND COVERAGE: The book describes the equipment used for sutom	atic control,	1	•	
	signaling, and regulation of technological processes, and discusses t	emperature,			
	pressure, and level control devices, hydraulic, pneumatic, electric, direct-acting regulators. The book is intended for engineering and te	echnical			
	personnel engaged in the design, planning, and operation of automated	industrial	-		
	enterprises, and may prove useful to students at higher and secondary	r specialised			ļ
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	Foremord — 3 Ch. I. Temperature measu Ch. II. Vacuum and press Ch. III. Flow measuring Ch. IV. Lovel gauges — Ch. V. Dovices for centr Ch. VI. Direct-acting re	uro mensuring instruments - 179 olling physic gulstors 3	; instrument - 123 sal and chem 115	nical parameter	·s — 198	The state of the s		
	Ch. VII. Hydraulic regul	ators, actuat	ors'/and oc	((( 010000	ara - 382			_
	Ch. VIII. Fneumatic devi Ch. IX. Electric control Ch. X. Electronic control Ch. XI. Electric actuato	ocs, controll lers and sign llers — 577	ers) wecust	ses — 49>			:	
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[Technology and veterinary inspection of animal products] Veterinarno-sanitarnaia ekspertiza a canovami tekhnologii produktov zhivotnovodstva. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1960. 355 p. (MIRA 13:12)

(Animal products) (Mest inspection)

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l. Institut biokhimii imeni A.N.Bakha AN SSSR, Moskva. (China--Tea)

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(Sugar industry--Equipment and supplies) (Pumping machinery)

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Efficient design of high pressure beet pumps. Trudy KTIPP no.17:123-127 '57. (MIRA 13:1) (Sugar industry--Equipment and supplies)

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D '57. (Znamenskii, Gleb Mikhailovich, 1901-1957)

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(Pipe-Hydrodynamics)

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zasl. deyatel' nauki i tekhniki RSFSR, doktor tekhm. nauk,
prof., retsenzent; SHLIPCHENKO, Z.S., kend. tekhn. nauk,
dots.; LIPATOV, N.N., kand.tekhn.nauk, red.; KARGANOV, V.G.,
inzh., red.; SOKOLOVA, G.F., tekhn. red.; VLADIMIROVA, L.A.,
tekhn. red.

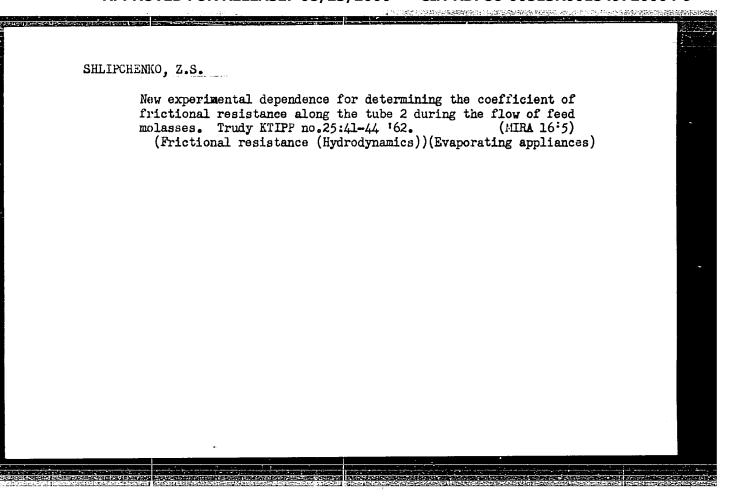
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Moskva, Izd-vo Ministerstva kommunal'nego hoziaistva RSFSR, 1954.

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(Carbureters) (Automobiles-Fuel systems)

RUBETS, D., kandidat tekhnicheskikh nauk; SHLIPPE, I., kandidat tekhnicheskikh nauk.

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1. VNIIAT. (Gas and oil engines)

PUCHENKOV, Aleksandr Petrovich, mekhanik; SHLIPPE, Igor' Sergeyevich, kandidat tekhnicheskikh nauk; NIKITIN, A.G., redaktor; GA-IAKTIONOVA, Ye. N., tekhnicheskiy redaktor

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Obsluzhivanie i regulirovka elektrooborudovaniia avtomobilei.
Izd.2-oe, ispr. i dop. Moskva, Nauchno-tekhn. izd-vo avtotransportnoi lit-ry, 1955. 126 p.

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FAL'KEVICH, B.S., doktor tekhnicheskikh nauk; DIVAKOV, N.V., kandidat tekhnicheskikh nauk; SHLIPPE, I.S., kandidat tekhnicheskikh nauk, redaktor; VELIKANOV, D.P., Kandidat tekhnicheskikh nauk, retsenzent; POLYAKOV, V.N., inzhener, retsenzent; YEGORKINA, L.I., redaktor; MODEL', B.I., tekhnicheskiy redaktor

[Methods of testing automobiles and their mechanisms] Metody ispytaniia avtomobilia i ego mekhanizamov. No.7.[Power and efficiency
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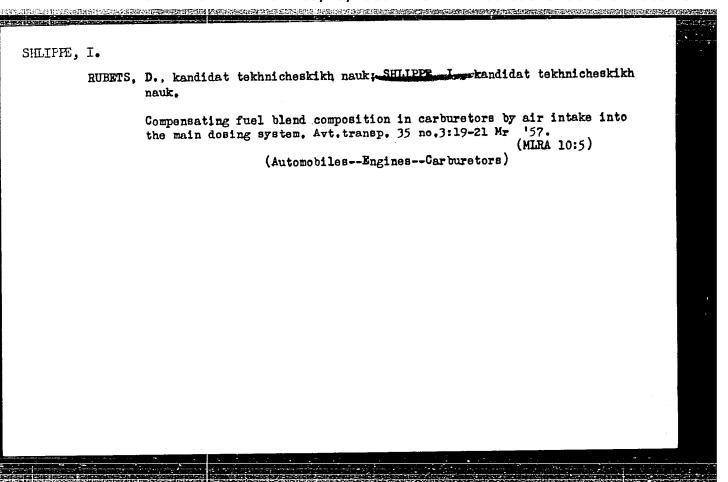
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(Automobiles--Testing)

ALEKSEYEV, Nikolay Ivanovich, inzhener; SHLIPPE Igor' Sergevevich; SHELUKHIN, A.S., redaktor; GALAKTIONOVA, Ye.N., tekhnicheskiy redaktor

[Servicing the fuel systems of IaAZ-204 and IaAZ-206 engines]
Obsluzhivanie toplivnoi apparatury dvigatelei IaAZ-204 i IaAZ-206.
Moskva, Nauchno-tekhn. izd-vo avtotransp. lit-ry. 1956. 71 p.
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ALEKSETEV, N., inzhener., KAPRALOV, B., inzhener., Shlippe, I., kandidat tekhnicheskikh nauk.

Set of instruments used for checking fuel feed systems of carburetor engines. Avt.transp. 35 no.4:18-21 Ap '57. (MLRA 10:5) (Automobilas—Fuel consumption)

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[Improving technical facilities in auto transportation] Voprosy razvitiia tekhnicheskikh sredstv avtomobil'nogo transporta. Pod obshchei red. D.P.Velikanova. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transp. i shosseinykh dorog RSFSR, 1959. 166 p.

(MIRA 12:10)

1. Akademiya nauk SSSR. Institut kompleksnykh transportnykh problem.

(Transportation, Automotive)

VELIKANOV, Dmitriy Petrovich; SHLIPPE, Igor' Sergeyevich; MIKHEYEV, A.P., prof., doktor tekhn.nauk, otv.red.; DROBYSHEV, Yu.G., red.izd-va; POLYAKOVA, T.V., tekhn.red.

[Trends in the development of automotive transportation devices in foreign countries] Tendentsii razvitiia avtomobil nykh transportnykh sredstv za rubezhom. Moskva, Izd-vo Akad.nsuk SSSR, 1960. 87 p. (MIRA 14:2) (Transportation, Automotive)

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BRONSHTEYN, L.A., kand.tekhn.nauk; BRUSYANTSEV, N.V., kand.tekhn.nauk;

GRECHINSKAYA, L.T., inzh.; GROZOVSKIY, T.S., kand.tekhn.nauk;

KRAMARENKO, G.V., kand.tekhn.nauk; KRICHEVSKIY, Z.A., inzh.;

LEVIN, D.M., kand.tekhn.nauk [deceased]. Prinimali uchastiye:

DEGTEREV, G.N., kand.tekhn.nauk; SHEYNIN, A.M., kand.tekhn.nauk;

SHLIPPE, I.S., kand.tekhn.nauk; NAYDENOV, B.F., inzh. AFANAS'YEV,

L.L., kand.tekhn.nauk, red.; VASIL'YEVA, I.A., red.izd-va; UVAROVA,

A.F., tekhn.red.

[Handbook for automotive transportation] Avtotransportnyi spravochnik. Izd.4., ispr. i dop. Pod obshchei red. L.L.Afanas'eva. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. (MIRA 13:12) (Transportation, Automotive-Handbooks, manuals, etc.)

NAYDENOV, B.; PONIZOVKIN, A.; SHLIPPE, I.

Soviet economy needs motor vehicles with special purpose bodies.
Avt. transp. 38 no. 5:40-43 My '60.

(Motor trucks)

Development of internal combustion engines. Avt.transp. 38 no.10:58-60 0 '60. (MIRA 13:10)

RUBETS, D.A., kand. tekhn. nauk; TOKAREV, G.G., kand. tekhn. nauk, red.; SHLIPPE, I.S., red.; FETROVSKAYA, Ye., tekhn. red.

[Investigation of the fuel economy of motor vehicles] Issledovanie toplivnoi ekonomichnosti avtomobilei. Moskva, Izd-vo M-va kommun.khoz.RSFSR, 1953. 22 p. (MIRA 16:8)

(Motor vehicles--Fuel systems)

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VELIKANOV, Dmitriy Petrovich, prof., doktor tekhn. nauk; SHLIPFE, I.S., red.; BODANOVA, A.P., tekhn. red.

[Operating characteristics of motor vehicles] Ekspluatatsion-nye kachestva avtomobilei. Moskva, Avtotransizdat, 1962. 398 p. (MIRA 16:4)

(Motor vehicles)

SHLIPPE, Sergey Aleksandrovich; SINITSINA, Yekaterina Fedorovna;
SOBOLEVSKIY, V.I., kand. geol.-miner. nauk, red.; MURONETS,
I.I., red. izd-ve; KOLCHANOV, V.P., spets. red.; PLAKSHE,
L.Yu., tekhn. red.

[German-Russian geological and mineralogical dictionary]
Nemetsico-russkii geologo-mineralogicheskii slover'. Pod
red. V.I.Sobolevskogo. Moskva, Fizmatgiz, 1962. 472 p.
(MIRA 15:11)

(Gorman languago-Dictionaries-Russian)
(Geology-Dictionaries) (Mineralogy-Dictionaries)

BOGATYREV, R.T.; VORONOV, Yu.A.; GOLUBENKOV, V.S.; GULYAYEV, P.I.; SHLIPPENBAKH, N.Ya.

Parabiotic nature of the refractory phase of a single giant nerve fiber in a squid. Vest. LGU 19 no.3:163-167 '64. (MIRA 17:3)

EPA(s)-2/EWT(m)/EWP(w)/EPF(c)/EPF(j)/T Pc-L/Pr-L/Ps-L WW/ EM/RM 5/2681/64/000/011/0127/0145 AT5003522 ACCESSION NR: AUTHORS: Strelyayev, V. S.; Tarnopol'skiy, Yu. M.; Timofeyev, A. F.; Shlitsa, R. P. TITLE: Effect of casting parameters on the strength of articles made of transparent plastic SOURCE: AN LatSSR. Otdeleniye fizicheskikh i tekhnicheskikh nauk. Voprosy dinamiki i prochnosti, no. 11, 1964, 127-145 TOPIC TAGS: polyment, transparent plastic, casting, production conditions ABSTRACT: The article describes results/of experiments made in order to establish optimal hot-pressing Conditions for glass-plastics AG-4V and AG-45 on the basis of static tests. The tests were made on plastic in the form of cylinders, bolts, cones, and plates. The optimal hot-pressing behavior was studied under conditions used? Card

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ACCESSION NR: AT5003522

in practice for production of parts from this material. show that the best pressing temperature is 130C, and that when the temperature is increased to 170C the strength of the product usually decreases. The optimum soaking time is from 1 to 3 min/mm, beyond which the strength decreases. The optimal pressure is 300 ± 100 kg/cm<sup>2</sup>, with higher pressures required for irregularly shaped parts (cylinder, cone) than for parts with simpler configuration. 100--200 kg/cm<sup>2</sup> is sufficient for plates. The characteristics of the parts depend also on their size. Numerous tables and diagrams illustrating the results are presented. Orig. art. has: 11 figures, 3 formulas, and 2 tables.

ASSOCIATION: None

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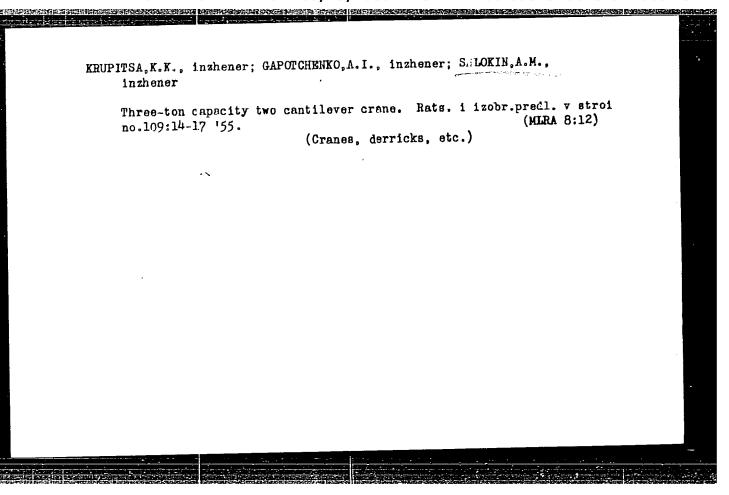
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KOROTKOVA, G.P.; SHLOGINA, K.V.

Autoplastic properties of the anterior extremity of 4- and 5-fay-old clock embryes. Arkh. anat., gist. i embr. 48 no.2:17-24 F '65. (MIRA 18:8)

1. Kafedra embriologii (zav. zasluzhennyv deyatel nauki doktor bicl. nauk prof. B.F.Tokin) leningradskogo gosudarstvennogo ordena Benina universiteta imeni A.A.Zhdanova.



BAYKOV, S.D.; GAL'PERIN, Yu.F.; IOFFE, A.F.; SHLCKOV, G.N.

Ferrites with rectangular hysteresis loops for electronic-physical apparatus. Mnogokan. izm. sist. v iad. fiz. no.5:158-164 '63. (MIRA 16:12)

# SHLOKOV, YU. I. 22hh2. SHLOKOV, YU. I. Opytnoye issledovanie teploobmena v gazokhodakh kotla (Doklad na konferen-tsii sno lki okt. 19k8 G.) Shornik rabot studentov- chlenov nauch. (Reflection of the conference of the conference

SHLOM, Ye.Ye., inzh.; KURNOSOV, Yu.A., inzh.

Shortcomings in the construction and manufacture of excavator cranes. Energ. stroi. no.4:36-43 '58. (MIRA 12:2)

1. Leningradskiy filial instituta "Organergostroy."

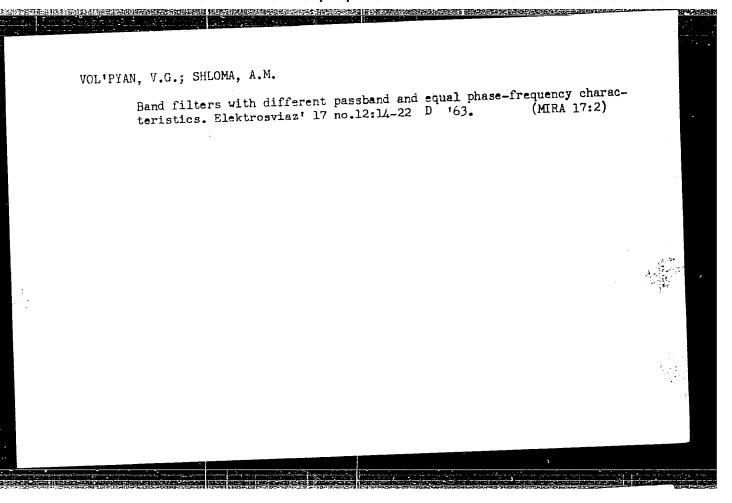
(Excavating machinery)

SHLOM, Ye.Ye., inzh.; KURNOSOV, Yu.A., inzh.

Operation of the DUB-2400 and DUB-2400M automatic units which batch by weight. Energ. stroi. no.3:69-73 (13), 1960. (MIRA 14:9)

1. Leningradskiy filial instituta "Organergostroy".

(Concrete plants—Equipment and supplies)



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ACCESSION NR: AP4041001	S/0106/64/00	00/006/0019/0	028.	*
v. G.; Shi	loma, A. M.		i	
TITLE: Synthesis of selective and phase-frequency characteristics		t passbands an ion Scientific S	d identical	,
phase-frequency characteristics NTO dedicated to the Radio Day	, 1963]		•	
SOURCE: Elektrosvyazi, no. 6	, 1964, 19-28		dio signal	
TOPIC TAGS: radio communic selection, radio signal phase se				
ABSTRACT: The problem of c receiver so that its phase-freq considered. It is proven that c transfer function, N transfer f amplitude-frequency character	ontrolling the passband uency characteristic reconstitute on the basis of any n-th-	-order minimu	ferent	
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ACCESSION NR: AP5013030

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AUTHOR: Vol'pyan, V. G.; Shloma, A. M.

2

TITLE: Synthesizing selective systems with a continuously controllable passband and a constant phase-frequency characteristic [Reported at the 19th All-Union Conference of NTORE, May 1963]

SOURCE: Elektrosvyaz', no. 5, 1965, 20-29

TOPIC TAGS: transfer function, selective filter, selective transmission system

ABSTRACT: Methods of finding controlled-parameter transfer functions are considered; the parameter may result in a variation of the amplitude-frequency characteristic with the phase-frequency characteristic constant. It is shown that such transfer functions can be realized by means of active feedback-type quadripoles. The method of synthesis presented in the article permits finding n-th order transfer functions having the same phase but different moduli. Each

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zeros, Migration of the words.	stinguished by the fact that it has quadrant-sy hese zeros in the plane of complex detuning rus. Realization of the transfer functions in the frequency-dependent feedback permits sy continuously controllable passband and a continuously co	esuits only in a he form of nthesizing
frequency characterist	tic. The passband is controlled by the tube to turn, is centrolled by the grid bias. An expense. Orig. art. has: 11 figures and 36 forms	rans- erimental
frequency characterist	tic. The passband is controlled by the tube to turn, is controlled by the grid bias. An exp	rans- erimental
frequency characterist conductance which, in verification is mention	tic. The passband is controlled by the tube to turn, is centrolled by the grid bias. An exposed. Orig. art. has: 11 figures and 36 forms	rans- erimental ulas.

SHLOMA, P. I., SAMOKESHEV, A. P. and DANILOV, I. A.

"The System of Observation of Servicemen with a Disrupted Vascular Tonus in Their First Year of Service".

Voyenno Meditsinskiy Zhurnal, No. 4, 1962

CHEKMAREV, A.P., akademik; MASHKOVTSEV, R.A., kand.tekhn.nauk; SHLOMCHAK, G.G.

Power parameters in rolling lightweight sections. Met. i gornorud. (MIRA 17:9)

1. Akademiya nauk Ukrainskoy SSR (for Chekmarev).

MASHKOVTSEV, R.A.; SHLOMCHAK, G.G.; ROMANCHENKO, V.L.

Longer lasting grooves. Metallurg 10 no.4:29-30 Ap '65, (MIRA 18:7)

1. Dnepropetrovskiy metallurgicheskiy institut.

SHLOMIN, V.I., aspirant

Amplitude-frequency and phase-frequency characteristics of a synchronous filter and their correction. Izv. LETI no.45:60-40 '61. (Mik 16:5)

(Radio filters) (Electric filters)

ACC NR: AP7002021

SOURCE CODE: UR/0142/66/009/005/0630/0637

AUTHOR: Grishin, Yu. P.; Shlomin, V. I.

ORG: none

TITLE: Probability of catching the target by the tracking system of an automatic range finder with automatic target search

SOURCE: IVUZ. Radiotekhnika, v. 9, no. 5, 1966, 630-637

TOPIC TAGS: radar rangefinding, ranging, target tracking

ABSTRACT: The transition from automatic target searching to automatic range tracking (ART) is examined. Both the signal pulse and search-system gating pulse are assumed to be square-shaped. The effect of the relative positions of (a) the zero point on the time-discriminator characteristic and (b) the characteristic point on the signal pulse upon the probability of presence of a target within a certain

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UDC: 621.396.96

ACC NR: AP6032922 SOURCE CODE: UR/0142/66/009/003/0340/0344

AUTHOR: Grishin, Yu. P.; Shlomin, V. I.

ORG: none

TITLE: Statistical characteristics of the discrete detector with nonoptimal logic

SOURCE: IVUZ. Radiotekhnika, v. 9, no. 3, 1966, 340-344

TOPIC TAGS: radar detection, discrete detector, signal noise separation

ABSTRACT: Two radar detectors, (a) with "k in succession out of N" logic and (b) with "k out of N" logic, are compared with respect to their probabilistic characteristics: the probability of correct detection and the probability of false alarm. As no analytical expression for the probabilities of the "a" logic is known, the problem is solved approximately by using the method of generating functions. For the "b" logic, exact formulas are presented. A numerical

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